

**Notice of Allowability**

Application No.

10/054,135

Examiner

Phuongchau Ba Nguyen

Applicant(s)

CHU ET AL.

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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11-13-1.
2. ☒ The allowed claim(s) is/are 1-22,24-28,30-36. Renumbered as 1-34 respectively.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 10-21-5.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Mr. Dworetsky on 10-21-5.

3. The application has been amended as follows:

**-Claims 23, 29, 37-38 had been canceled**

**-Claim 1, line 6,**

**--- ; wherein said translating comprises:**

**receiving a first endpoint identifying parameter from a public network, wherein the first endpoint identifying parameter comprises a wild card representing all endpoints;**

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receiving a value indicating a maximum number of endpoints  
to return;

checking a mapping table for the first endpoint identifying  
parameter,

obtaining a plurality of endpoints corresponding to the first e  
endpoint identifying parameter in the mapping table; and

replacing the first endpoint identifying parameter with a  
plurality of second endpoint identifying parameters, wherein each  
second endpoint identifying parameter comprises an identifier for  
an obtained endpoint --- had been inserted after the word  
“address”.

**-Claim 24, line 1,**

“23” had been changed to ---1---

**-Claim 30, line 10,**

---; receiving a value indicating a maximum number of endpoints

to return --- had been inserted after the word “node”.

**-Claim 32, line 10,**

---; receiving a value indicating a maximum number of endpoints

to return --- had been inserted after the word “endpoint”.

**-Claim 33, line 11,**

---; receiving a value indicating a maximum number of endpoints

to return --- had been inserted after the word “endpoints”.

**-Claim 34, line 10,**

---; receiving a value indicating a maximum number of endpoints

to return --- had been inserted after the word “endpoints”.

**-Claim 35, line 11,**

---; receiving a value indicating a maximum number of endpoints

to return --- had been inserted after the word “endpoints”.

4. The following is an examiner’s statement of reasons for allowance:

Regarding claims 1–28, the prior art fails to teach a method for managing network services between a plurality of networks comprising “wherein said translating comprises: receiving a first endpoint identifying parameter from a public network, wherein the first endpoint identifying parameter comprises a wild card representing all endpoints; receiving a value indicating a maximum number of endpoints to return; checking a mapping table for the first endpoint identifying parameter, obtaining a plurality of endpoints corresponding to the first endpoint identifying parameter in the mapping table; and replacing the first endpoint identifying parameter with a plurality of second endpoint identifying parameters, wherein each second endpoint identifying parameter comprises an identifier for an obtained endpoint,” which is considered in combination with other limitations, as specified in the independent claim 1.

Regarding claim 30, the prior art fails to teach a method for managing network services between a plurality of networks comprising “receiving a first endpoint identifying parameter corresponding to a private network node; receiving a value indicating a maximum number of endpoints to return; checking a mapping table for the first endpoint identifying parameter;

allocating a logical line number to create a VPS endpoint identifying parameter based on said checking, wherein the VPS endpoint identifying parameter comprises the logical line number and VPS IP address; saving a mapping of the first endpoint identifying parameter and the VPS endpoint identifying parameter in the mapping table, replacing the first endpoint identifying parameter with the VPS endpoint identifying parameter,” which is considered in combination with other limitations, as specified in the independent claim 30.

Regarding claim 31, the prior art fails to teach a method for managing network services between a plurality of networks comprising “receiving a first endpoint identifying parameter from a private network node, wherein the first endpoint identifying parameter represents a group of endpoints; querying the number of endpoints associated with the private network node; receiving a list of endpoint identifying parameters associated with the private network node; checking a mapping table for each of the endpoint identifying parameters associated with the private network node; obtaining a corresponding VPS endpoint identifying parameter for each of the endpoint identifying parameters associated with the private network node; and replacing each of the endpoint

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identifying parameters associated with the private network node with corresponding VPS endpoint identifying parameter, each of the VPS endpoint identifying parameters comprising a logical line number and VPS IP address,” which is considered in combination with other limitations, as specified in the independent claim 31.

Regarding claim 32, the prior art fails to teach a method for managing network services between a plurality of networks comprising “receiving a first endpoint identifying parameter from a public network, wherein the first endpoint identifying parameter comprises a VPS endpoint; receiving a value indicating a maximum number of endpoints to return; checking a mapping table for the first endpoint identifying parameter; obtaining an identifier for a destination node in a private network from the mapping table, the identifier corresponding to the first endpoint identifying parameter; and replacing the first endpoint identifying parameter with a second endpoint identifying parameter, wherein the second endpoint identifying parameter identifies the destination node in the private network,” which is considered in combination with other limitations, as specified in the independent claim 32.

Regarding claim 33, the prior art fails to teach a method for managing network services between a plurality of networks comprising “receiving a first endpoint identifying parameter from a public network, wherein the first endpoint identifying parameter comprises a wild card representing One Of a plurality of endpoints, receiving a value indicating a maximum number of endpoints to return; checking a mapping table for the first endpoint identifying parameter, obtaining an endpoint from the plurality of endpoints associated with the first endpoint identifying parameter in the mapping table, and replacing the first endpoint identifying parameter with a second endpoint identifying parameter, wherein the second endpoint identifying parameter identities the obtained endpoint,” which is considered in combination with other limitations, as specified in the independent claim 33.

Regarding claim 34, the prior art fails to teach a method for managing network services between a plurality of networks comprising “receiving a first endpoint identifying parameter, wherein the first endpoint identifying parameter comprises a wild card representing multiple endpoints; receiving a value indicating a maximum number of endpoints to return; checking a



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mapping table for the first endpoint identifying parameter; obtaining a plurality of endpoints associated with the first endpoint identifying parameter in the mapping table; and replacing the first endpoint identifying parameter with a plurality of second endpoint identifying parameters, wherein each second endpoint identifying parameter identifies a corresponding endpoint," which is considered in combination with other limitations, as specified in the independent claim 34.

Regarding claim 35, the prior art fails to teach a method for managing network services between a plurality of networks comprising "receiving a first endpoint identifying parameter from a public network, wherein the first endpoint identifying parameter comprises a wild card representing all of the endpoints; receiving a value indicating a maximum number of endpoints to return; checking a mapping table for the first endpoint identifying parameter; obtaining a plurality of endpoints corresponding to the first endpoint identifying parameter in the mapping table; and replacing the first endpoint identifying parameter with a plurality of second endpoint identifying parameters, wherein each second endpoint identifying parameter identifies an

obtained endpoint,” which is considered in combination with other limitations, as specified in the independent claim 35.

Regarding claim 36, the prior art fails to teach a method for managing network services between a plurality of networks comprising “receiving a first endpoint identifying parameter from a public network, wherein the first endpoint identifying parameter comprises a wild card representing all endpoints; receiving a value indicating a maximum number of endpoints to return; receiving a value indicating a maximum number of endpoints to return; checking a mapping table for the first endpoint identifying parameter; obtaining a plurality of endpoints corresponding to the first endpoint identifying parameter in the mapping table; and replacing the first endpoint identifying parameter with a plurality of second endpoint identifying parameters, wherein each second endpoint identifying parameter comprises an identifier for an obtained endpoint,” which is considered in combination with other limitations, as specified in the independent claim 36.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should

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preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuongchau Ba Nguyen whose telephone number is 571-272-3148. The examiner can normally be reached on Monday-Friday from 10:00 a.m. to 2:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy Vu can be reached on 571-272-3155. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Phuongchau Ba Nguyen  
Examiner  
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**DUCHO  
PRIMARY EXAMINER**



10-24-05